SAMPLING FOR HAZARDOUS MATERIALS (165.9)
3 DAYS

This course provides individuals who have little or no sampling experience with practical information for effectively sampling hazardous materials at Superfund sites. The course focuses on sampling plan development, types of equipment suitable for hazardous materials sampling, and procedures for safely collecting samples. It is intended for personnel responsible for inspections, investigations, and remedial actions at Superfund sites. Air sampling is specifically addressed in *Air Monitoring for Hazardous Materials (165.4)* and is not discussed in this course.

The course is designed to be consistent with the EPA protocol and guidance documents entitled *Data Quality Objectives (DQOs) for Superfund*.

Topics that are discussed include sample plan development; procedures for sampling containerized materials, surface water/lagoons, sediments/sludges, and soil; soil gas sampling; field screening techniques; documentation; and quality assurance considerations.

Instructional methods include lectures, group discussions, demonstrations, classroom exercises, and outdoor field exercises with emphasis on the hands-on use of multimedia sampling equipment.

After completing the course, participants will be able to:

- Select the appropriate field screening method for a given contaminant and geologic environment.
- Select the appropriate sampling container and sample preservation method based on the sample media and analysis required.
- Select the appropriate sampling implements and methods for sampling various containerized wastes.
- Select the appropriate tools and methods for sampling surface water and sediments.
- Describe the basic methods of soil sampling in the unsaturated zone.
- Demonstrate the proper method for obtaining a groundwater sample from a monitoring well.
- Complete the required documentation, including chain of custody and sample labels, for shipment of environmental samples to an analytical laboratory.
- Complete fundamental tasks in a sampling event from initial site investigation through field data collection.

Continuing Education Units: 2.0

Course Dates and Locations

2001

October 2–4	Region 7	November 13–15	Region 10
October 16–18	Region 6	December 4–6	Region 2

Sampling for Hazardous Materials (cont.)

2002

January 22–24	Cincinnati, Ohio	April 2–4	Region 8
February 19–21	Edison, New Jersey	April 16–18	Region 1
March 12–14	Region 3	April 30 – May 2	Region 9